

Enhancing the International Transmission of Radioactivity-Related Information on the workers at TEPCO's Fukushima Daiichi NPP (Participation in ICRP 2023)

○ Purpose

We have participated in the poster session of ICRP2023 (The 7th International Commission on Radiological Protection Symposium) which was held in Tokyo on November 6 (Monday) through 9 (Thursday) 2023, in order to provide information about our activities to the experts.

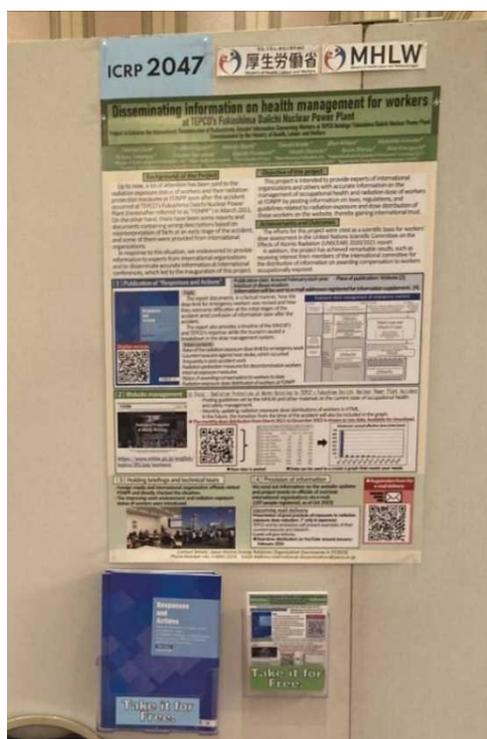
Our aim was to make the experts known our activities, and distribute the report “Responses and Actions” issued in our activities.

In addition to providing information face-to-face on poster session, we aimed to appeal to a larger number of experts by setting up cards with an excerpt from the poster, and the report for experts to take home for three days.

○ Result

The poster session was held on November 8 (Wednesday) from 3:30 p.m. to 4:30 p.m., and the number of visitors to the booth was approximately 20. Over the three days, we were able to distribute 82 copies of cards and 110 copies of reports to participants.

○ Poster session



Posters (A1 size)

Disseminating information on health management for workers at TEPCO's Fukushima Daiichi Nuclear Power Plant

Project to Enhance the International Dissemination of Radioactivity-Related Information Concerning Workers at TEPCO Holdings' Fukushima Daiichi Nuclear Power Plant
Commissioned by the Ministry of Health, Labour and Welfare

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Background of the Project

Up to now, a lot of attention has been paid to the radiation exposure status of workers and their radiation protection measures at FDNPP soon after the accident occurred at TEPCO's Fukushima Daiichi Nuclear Power Plant (hereinafter referred to as "FDNPP") in March 2011. On the other hand, there have been some reports and documents containing wrong descriptions based on misinterpretation of facts at an early stage of the accident, and some of them were provided from international organizations.

In response to this situation, we endeavored to provide information to experts from international organizations and to disseminate accurate information at international conferences, which led to the inauguration of this project.

Objective of this project

This project is intended to provide experts of international organizations and others with accurate information on the management of occupational health and radiation dose of workers at FDNPP by posting information on laws, regulations, and guidelines related to radiation exposure and dose distribution of these workers on the website, thereby gaining international trust.

Achievements and Outcomes

The efforts for this project were cited as a scientific basis for workers' dose assessment in the United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR) 2020/2021 report.

In addition, the project has achieved remarkable results, such as receiving interest from members of the international committee for the distribution of information on awarding compensation to workers occupationally-exposed.

[1] Publication of "Responses and Actions"



Topic

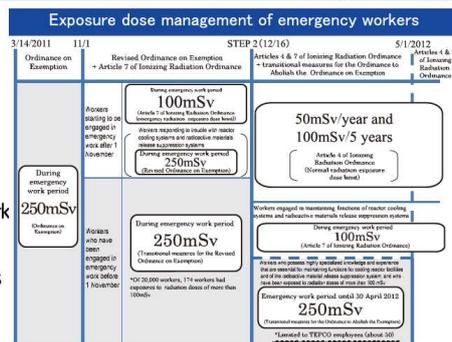
The report documents, in a factual manner, how the dose limit for emergency workers was revised and how they overcame difficulties at the initial stages of the accident amid confusion of information soon after the accident.

The report also provides a timeline of the MHLW's and TEPCO's response while the tsunami caused a breakdown in the dose management system.

Main contents

- Raise of the radiation exposure dose limit for emergency work
- Countermeasures against heat stroke, which occurred frequently in post-accident work
- Radiation protection measures for decontamination workers
- Internal exposure measures
- Status of awarding compensation to workers to date
- Radiation exposure dose distribution of workers at FDNPP

- Publication date: Around February each year
- Method of dissemination: Information will be sent to e-mail addresses registered for information supplement. [4]
- Place of publication: Website [2]



[2] Website management



<https://www.mhlw.go.jp/english/topics/2011eq/workers/>

In Focus - Radiation Protection at Works Relating to TEPCO's Fukushima Daiichi Nuclear Power Plant Accident

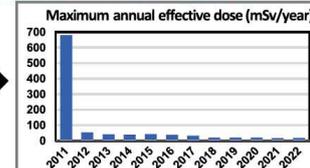
- Posting guidelines set by the MHLW and other materials on the current state of occupational health and safety management.
- Monthly updating radiation exposure dose distributions of workers in HTML.

In the future, the transition from the time of the accident will also be included in the graph.

★The monthly dose distribution from March 2011 to December 2022 is shown as raw data. Available for download.



	A	B	C	D	E
1	Radiation Exposure Dose Distribution (by month)				
2	Year-Month	E _{in} =1	1<E _{in} <=5	5<E _{in} <=10	
3	2011-Mar TEPCO	40	86	230	
4	2011-Mar Contractors	397	537	399	
5	2011-Mar Total	437	603	638	
6	2011-Apr TEPCO	228	323	857	
7	2011-Apr Contractors	1550	1458	625	
8	2011-Apr Total	1778	1781	1482	
9	2011-May TEPCO	437	752	171	
10	2011-May Contractors	2221	2389	809	
11	2011-May Total	2658	3151	980	



★Raw data is posted

★Data can be used to create a graph that meets your needs

[3] Holding briefings and technical tours

- Foreign media and international organization officials visited FDNPP and directly checked the situation.
- The improving work environment and radiation exposure status of workers were introduced.



[4] Provision of information

We send out information on the website updates and project events to officials of overseas international organizations via e-mail. (197 people registered, as of Oct 2023)

Upcoming mail delivery

Presentation of good practices of measures to radiation exposure dose reduction (* only in Japanese)
TEPCO and its contractors will present examples of their countermeasures and research.
Guests will give lectures.

★Real-time distribution on YouTube around January-February 2024

★Registration form for e-mail delivery



Contact Details: Japan Atomic Energy Relations Organization (Secretariat in FY2023)
Phone Number:+81-3-6891-1573 Email Address:international-dissemination@jaero.or.jp

Cards (A5 size)

Disseminating information on health management for workers at TEPCO's Fukushima Daiichi Nuclear Power Plant

Project to Enhance the International Dissemination of Radioactivity-Related Information Concerning Workers at TEPCO Holdings' Fukushima Daiichi Nuclear Power Plant Commissioned by the Ministry of Health, Labour and Welfare

The contents of this project are presented here. Please make use of it.

[1] Publication of "Responses and Actions"

- Publication date: Around February each year
- Place of publication: Web site of this project



Topic

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Digital version



[2] Website management

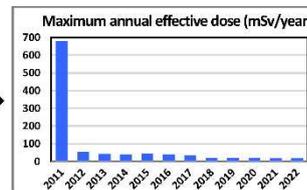
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Appearance of past projects held



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